AM/FM Cassette Player

Model CR100A

Description

The Bogen Model CR100A provides a reliable, economical background music source for a sound system. The CR100A is a compact, integrated unit consisting of an auto-reversing cassette tape player and an AM/FM-stereo tuner. It features an electronic quartz-locked PLL tuning system with manual tuning control and auto seek control.

The CR100A is an excellent choice for both small and large background music systems. The CR100A has been designed and engineered for quality, dependability, and ease of operation.

Features

- Stereo or mono operation
- LCD digital display
- Automatic tape reversal
- 24 presettable stations: 4 selectable bands (3 FM and 1 AM) can be programmed with up to 6 stations each
- Manual Tuner, Auto Seek, and Preset Scan
- Fast forward and rewind controls
- Electronic quartz-locked PLL tuning systems
- Low-level, 600-ohm output that will drive the AUX input of a public address amplifier
- Internal stereo amplifier (1-watt per channel) capable of driving 8-ohm loudspeakers
- Built-in line cord antenna, external 75-ohm or external 300-ohm antenna inputs
- 120V AC
- Compact design
- Rack mountable (2 rack spaces) with optional rack panel kit (Model RK78)

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Technical Specifications

FM Tuner

Frequency Range:	87.5 MHz - 108 MHz
Intermediate Frequency:	0.7 MHz
Usable Sensitivity:	10 dB
Frequency Response:	30 Hz - 15 kHz
Signal/Noise Ratio:	60 dB
Stereo Separation:	35 dB (at 1 kHz)

AM Tuner

Frequency Range:	522 kHz - 1620 kHz
Intermediate Frequency:	450 kHz
Sensitivity:	30 dB

Cassette Deck Section

Tape Speed:	4.75 cm/Sec.
Wow and Flutter:	0.35% (at 3 kHz)
Fast Winding Time:	185 Sec. (C-60)
Frequency Response:	100 Hz-8 kHz
Stereo Separation:	40 dB
Signal/Noise Ratio:	54 dB

Audio Section

Power Output-Stereo:	1W @ 8-ohm
System Output:	600-ohm
Operating Voltage:	120V AC / 60 Hz NOM
Dimensions:	7¼" W x 2⅛" H x 9¼" D
Product Weight:	6 lb.

Architect and Engineer Specifications

The auxiliary program source shall be a Bogen Model CR100A integrated auto-reversing cassette tape player and an AM/FM-stereo tuner with a built-in stereo amplifier (1-watt per channel).

The program source shall feature electronic quartz-locked PLL tuning with manual tuning control and auto seek control. The auto seek control shall automatically ascend (or descend) the frequency scale to the next strong frequency. It shall be possible to pre-program up to 4 bands (FM1, FM2, FM3, AM) with up to 6 stations each for a total of 24 stations. A preset scan control shall be provided to scroll and select from available presets.

The cassette tape playback system shall be an automatically reversing, dual-capstan drive type, with wow and flutter limited to 0.35%. The frequency response shall be 100 Hz to 8 kHz, with signal to noise ratio at 54 dB. The FM tuner section shall have 10 dB sensitivity, signal-to-noise ratio at 60 dB and frequency range from 87.5 MHz to 108 MHz.

The following controls shall be provided: ON/VOLUME, BALANCE, TONE, EJECT, PROGRAM (fast forward and rewind), SEEK, A/PS (auto seek/preset scan), BAND (band), STEREO (stereo), and 6 push-buttons for preset functions. An LCD digital readout shall be provided to show selected frequency and band.

The program source shall operate on 120V, 60 Hz AC. It shall incorporate a low-level, 600-ohm output that shall be capable of driving the auxiliary input (AUX) of a public address amplifier. It shall be possible to drive 8-ohm loudspeakers directly utilizing the internal stereo amplifier (1-watt per channel).

The program source shall be rack mountable in a standard 19" equipment rack by means of the optional RK78 rack panel kit (3½" H).

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